SPEED NAS User Guide

Overview

SPEED NAS adds advantage to sharing and managing data over internet and intranet. With account and password management, enhances personal or company's data security and privacy. Also, SPEED NAS supports UPNP & XBOX 360's music and photo files sharing to create more fun ability.

Package includes:

SPEED NAS enclosure x 1pc.
Securing Screws x 2pcs.
RJ-45 cable (Standard) x 1pc.
A to B type USB Cable (Standard) x 1pc.
Power adapter (AC100~240V to DC12V/5V 2A Dual power) x 1pc.
User Guide x 1pc.

Network and OS support

Network : Apple Safari / Linux Mozilla / Internet Explorer
Windows O.S. : Win98se / ME / 2000 / Server / XP / Vista (32/64bit)
Mac O.S. : 10.3.x or later
Linux

Hard Disk support

3.5 inch SATA I or SATA II hard drive

System setup

USB Host Driver:
Win98SE (CD driver)
WinME / 2000 / Server / XP / Vista (None, bulk only)

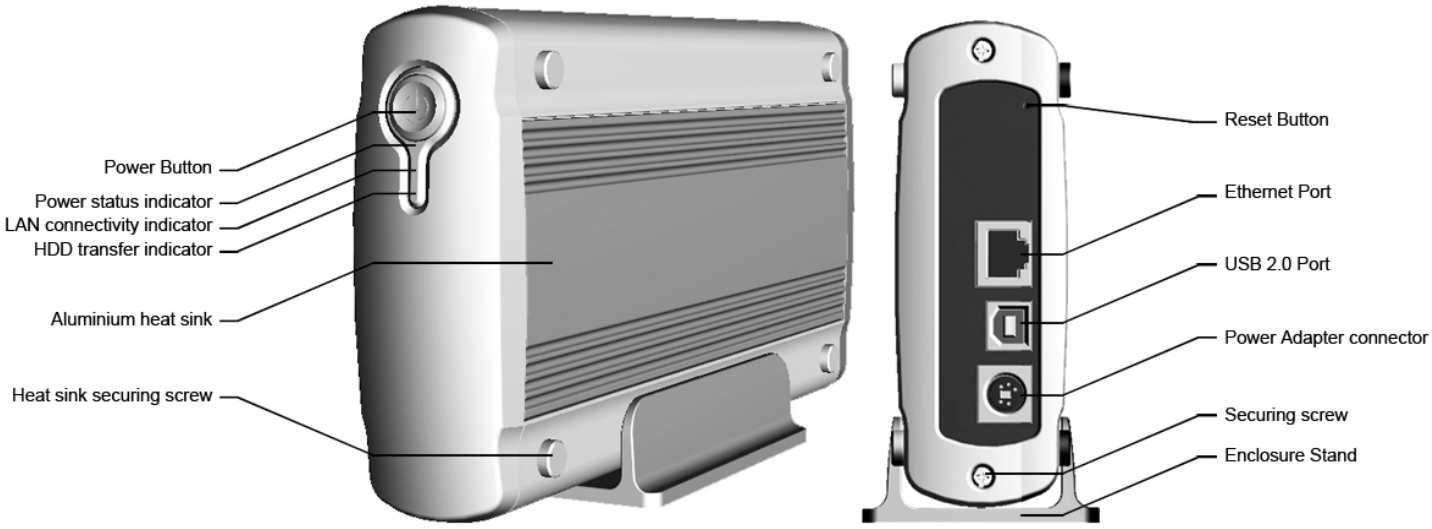
Performance

USB Transmission: Full Speed 20-25MBytes/Sec. , High Speed 480Mbytes/Sec.
NAS Transmission: Upload Speed 7.5Mbytes/Sec. , Download Speed 8.5Mbytes/Sec

Before operating

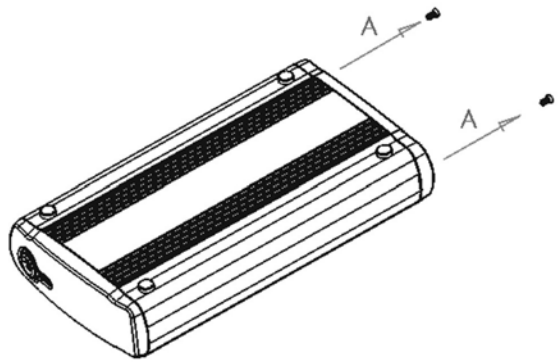
First, using Windows OS's Utility Tool "ScanIP" program to locate SPEED NAS's IP address either on Router, Hub or Switch Hub. After confirm IP address, type the IP address on internet browser's URL space to search. SPEED NAS can be found thereafter.

SPEED NAS unit has to power switch "on" in order for PC to recognize it. When changing to LAN, switch the NAS unit power to "off". Detach the USB cord and Attach the RJ45 cable and switch the power to "ON" to recognize it.

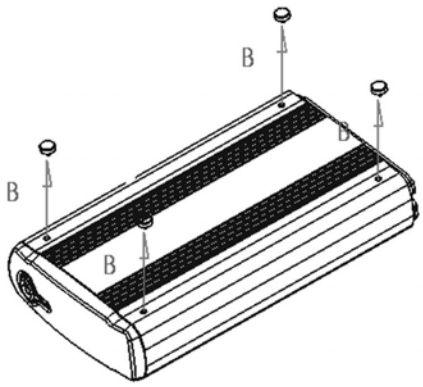


Hardware Installation

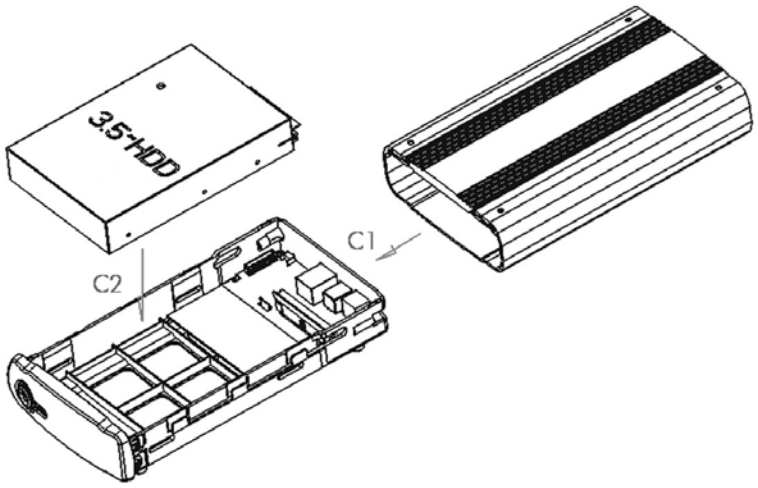
A. Remove the two screws on the back of the enclosure with a screwdriver.



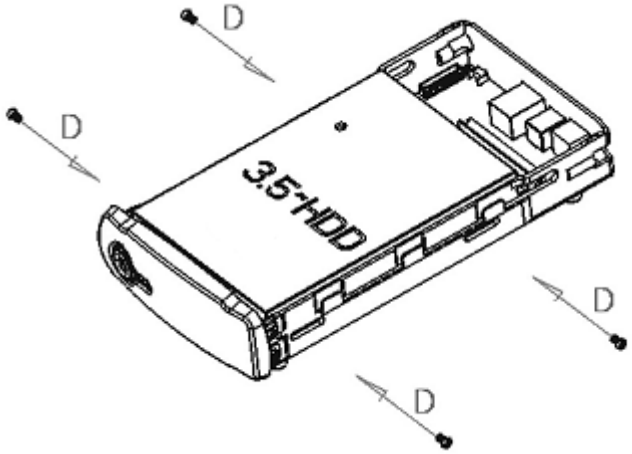
B. Loose the four screws on the surface of the unit. These screws will be used later to minimize the gap between the heat sink and your hard drive.



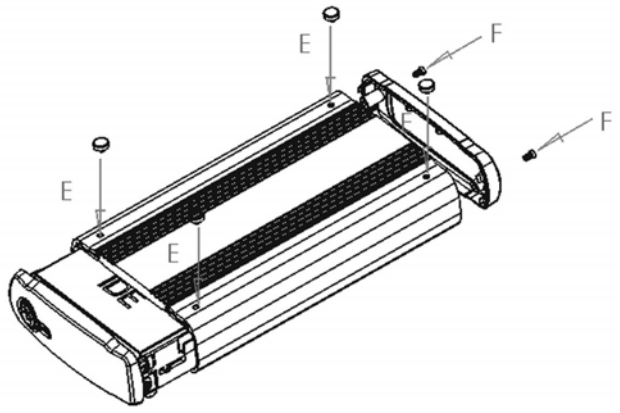
C. The plastic bracket should slide out effortlessly. Insert your hard drive, connect the SATA interface from the enclosure accordingly.



D. Secure your hard drive to the bracket with the four screws that are included in the package.



E. Reverse the procedure by re-inserting the bracket to the aluminum casing and securing all the screws that was previously removed. Congratulations, you have completed the hardware installation



Connecting the SPEED NAS to your Computer

The SPEED NAS is a multifunctional hard drive enclosure. In addition to being a network storage device, you can also use it as a stand-alone external hard drive via the USB interface.

Max OS X

Driver installation is not required for systems using Mac OS 10.1.2 or above. Simply connect the SPEED NAS using the included USB cable and access the data by clicking the “Untitled” HDD icon located on your Desktop.

Windows 2000/XP/ME

Driver installation is not required for Windows 2000/XP and Windows Me. Simply connect the SPEED NAS using the included USB cable and access the data via “My Computer”.

Windows 98 (Download Drivers)

To utilize the USB connectivity, please visit the following URL for to download the driver:
http://images.fantec.de/Driver_Software_FANTEC_LD-H35SNU2.zip

Please ensure that you install the device driver before connecting the USB port. When you complete the driver installation, reboot your computer, connect the SPEED NAS to your computer and access the data via “My Computer”

You can also access data in the SPEED NAS connecting it directly using the Ethernet cable with your computer. The SPEED NAS will have a default IP of 169.254.0.1 when connected directly.

Connecting to your Network

Connect the power adapter to the back panel of the SPEED NAS and plug the other end to a wall outlet or power strip. Connect the network cable to the LAN port on the back of the SPEED NAS and the other end of the network cable to a port on your hub, switch or router.
The Ethernet port on the SPEED NAS is Auto-MDI/MDIX, which means you can connect it using either a crossover or a direct network cable.

Start Setting NAS GUI(Web)

admin

Log-in page,
User name : admin (Default)
Password : admin (Default)
Select “Remember my password”
Select “OK”
Will enter SPEED NAS’s setting page.

Configuring the SPEED NAS (Other Operating Systems)

When you are planning to perform administrative tasks from a different operating system, you will need to input IP address of the SPEED NAS in the browser URL address bar.
If you do not know the IP address of the SPEED NAS, you will have to do this additional procedure. You will need to connect the SPEED NAS directly to your computer, input the default IP address 169.254.0.1 in the browser URL address bar to access the web control panel.

System Information

. **Host Name / Group Name / Administrator:** Name changeable. But must do “System Reboot” (Maintenance) in order to complete the change.
. **Date/Time:** Set at local time and date, Daylight Saving Time adjustment also available. SNTP setting either Enable / Disable, Time Server please self-set, Time Zone please set at local or preferable zone.
. **File Language:** Please must set at “User” computer’s operating system language. This is to prevent sharing file’s name appear unreadable code, SPEED NAS’s system fail and unable to upload or download. It also does not support Web’s multi-language access.
. **Firmware Version:** Firmware / Loader version

Network Information

IP address: (Auto)

MAC address: Factory setting.

DHCP Server:

ON: for NAS connect at HUB, sharing status changeable (Enable / Disable)

OFF: for NAS connect at Router, sharing status changeable (Enable / Disable)

Service Information

SMB Service: sharing status changeable (Enable / Disable).

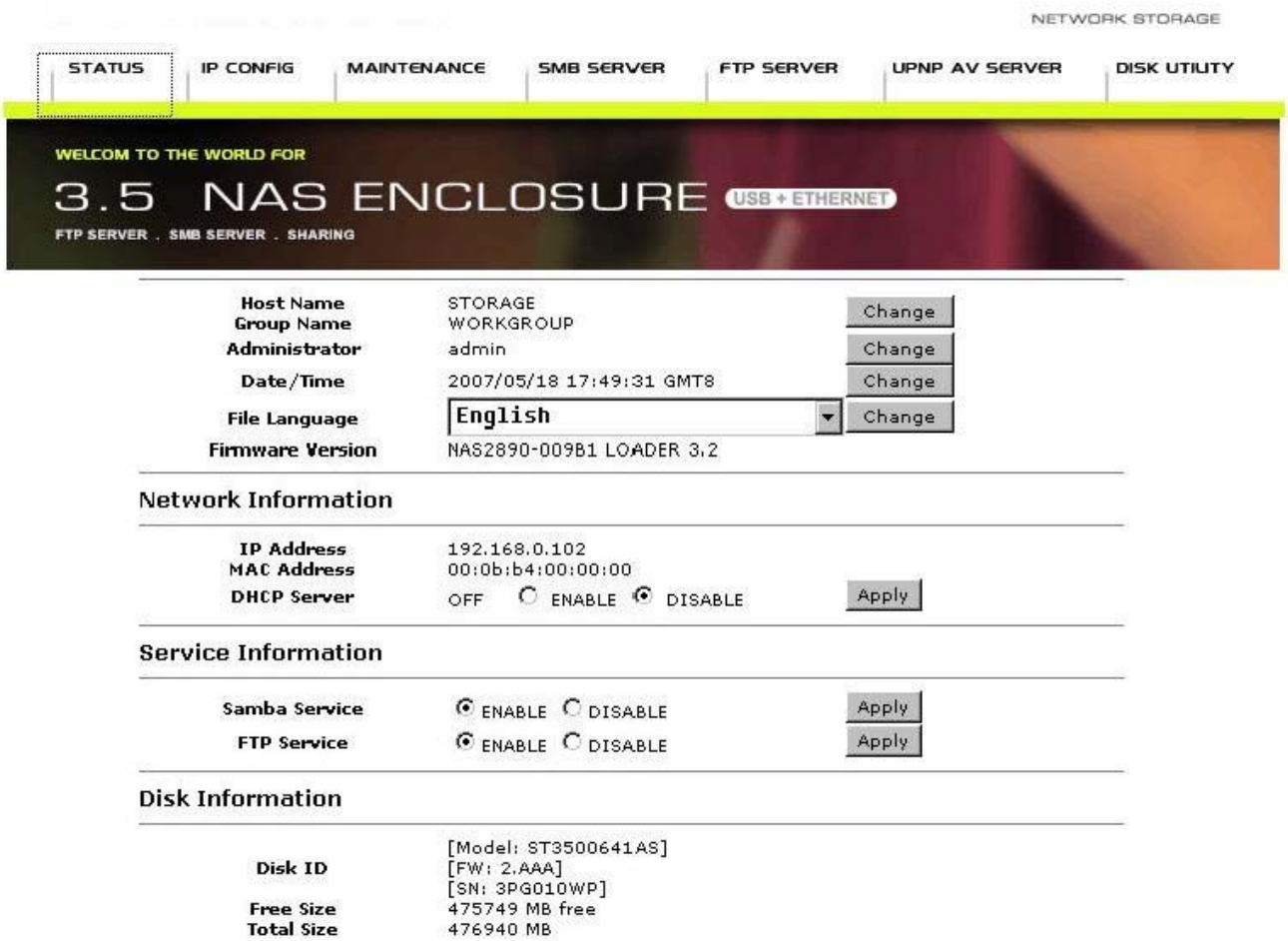
FTP Service: sharing status changeable (Enable / Disable).

Disk Information

DISK ID: Hard Drive Model, Firmware Version and Series Number

Free Size: Hard Disk space available.

Total Size: Total Hard Disk capacity.



IP Configuration

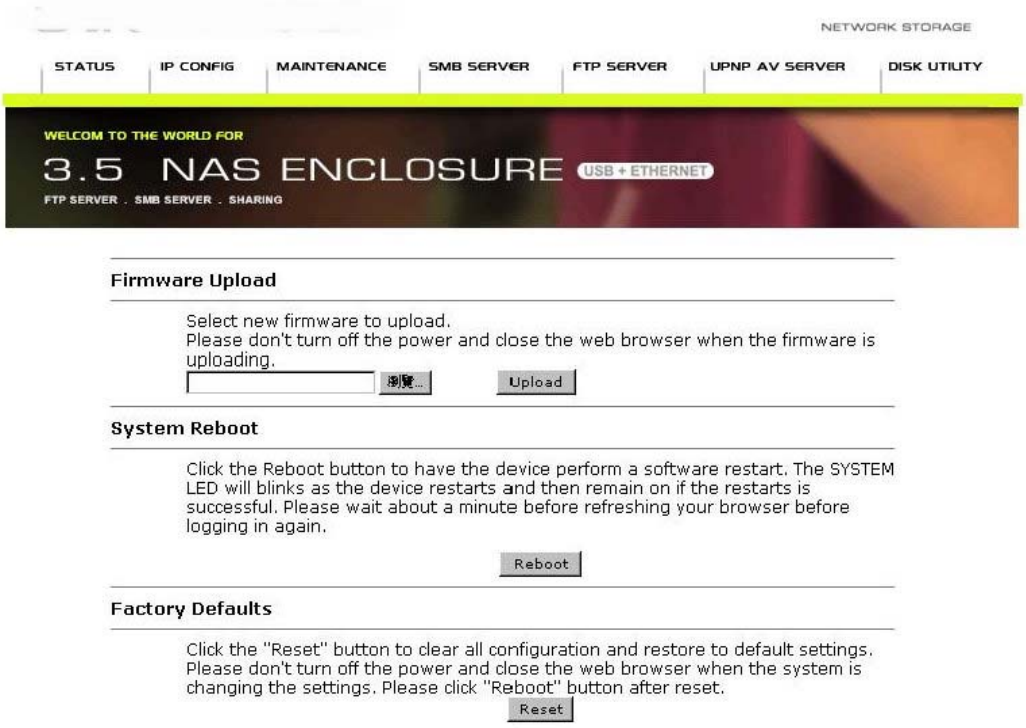
The administrator may use this option to manually define the IP address of the SPEED NAS. If the hub/router/switch in your network has a DHCP server, then the SPEED NAS will automatically be assigned an IP address. *The* SPEED NAS *can also act as a DHCP server when one is not present in your network. The default IP of the* SPEED NAS *in DHCP server mode is "169.254.0.1" and any device that is linked to the network containing will be assigned an IP of "169.254.0.x" automatically.*

Maintenance

Firmware Update: After firmware update, need to "System Reboot" in order to upgrade.

System Reboot: After all the setting changes and update it's necessary to reboot to gain new functions.

Factory Default: Every setting returns to factory setting except "Firmware and Loader". "System Reboot" to finalize the change.

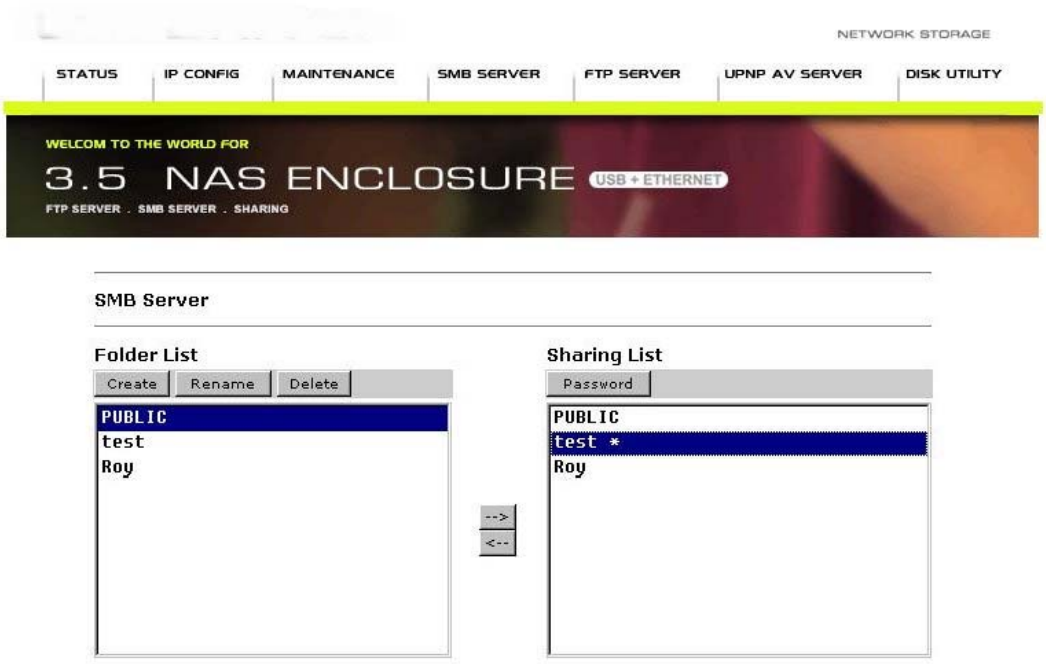

NETWORK STORAGE
STATUS
IP CONFIG
MAINTENANCE
SMB SERVER
FTP SERVER
UPNP AV SERVER
DISK UTILITY
WELCOM TO THE WORLD FOR
3.5 NAS ENCLOSURE
USB + ETHERNET
FTP SERVER . SMB SERVER . SHARING
Firmware Upload
Select new firmware to upload.
Please don't turn off the power and close the web browser when the firmware is uploading.
Upload
System Reboot
Click the Reboot button to have the device perform a software restart. The SYSTEM LED will blinks as the device restarts and then remain on if the restarts is successful. Please wait about a minute before refreshing your browser before logging in again.
Reboot
Factory Defaults
Click the "Reset" button to clear all configuration and restore to default settings. Please don't turn off the power and close the web browser when the system is changing the settings. Please click "Reboot" button after reset.
Reset

Samba Administration

Samba enables the core function of the SPEED NAS which is network file sharing. This option allows the administrator to determine the folders/directories to be shared.

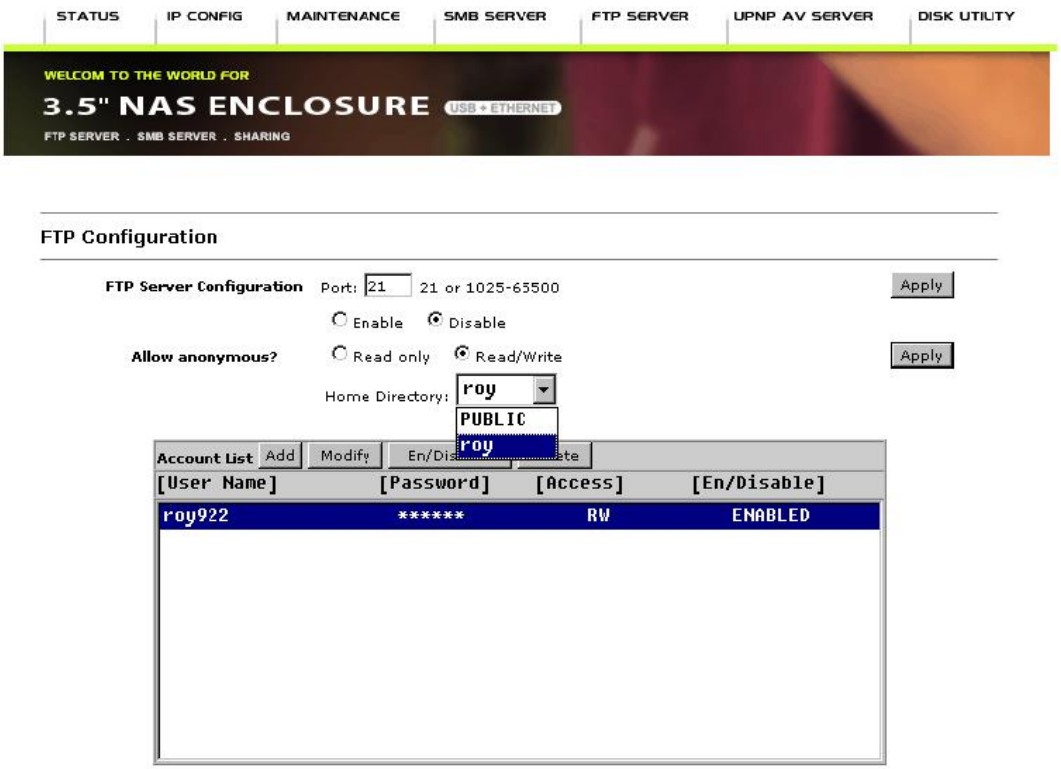
In here, you can create, rename and delete folders/directories in your SPEED NAS. All the folders/directories in the root directory that were previously in your hard drive before it was installed in the SPEED NAS will also be shown in the “Folder List”. The arrow keys in the middle are used to determine if the selected folder/directory is to be shared. Password protection for each shared folder can also be implemented.

When creating folders/directories through the web control panel, please use only English alphabets.

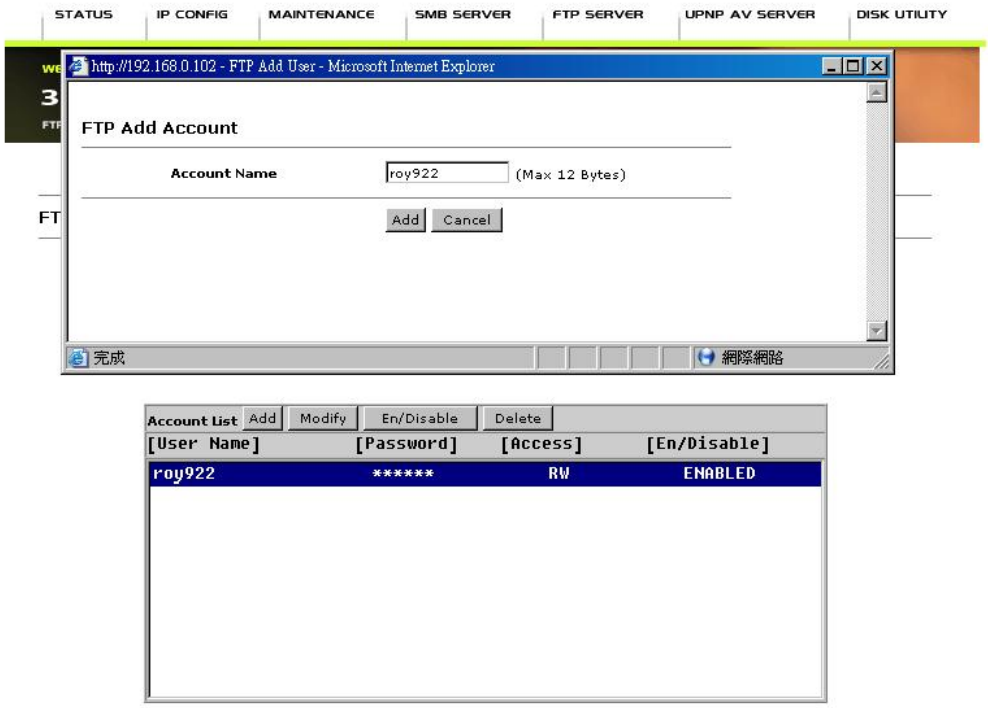


FTP Configuration

Abbreviated from File Transfer Protocol, FTP enables file exchange between computers on the Internet. The SPEED NAS can work as a stand-alone FTP server when it is assigned a static IP. Anonymous FTP is disabled by default. The administrator can determine if the users have read or write permission and the "Home Directory" will be the folder/directory the anonymous user can access upon logging in. The Account List displays the current FTP user accounts, the administrator can add new users, modify their permissions, temporary disable users and delete users.

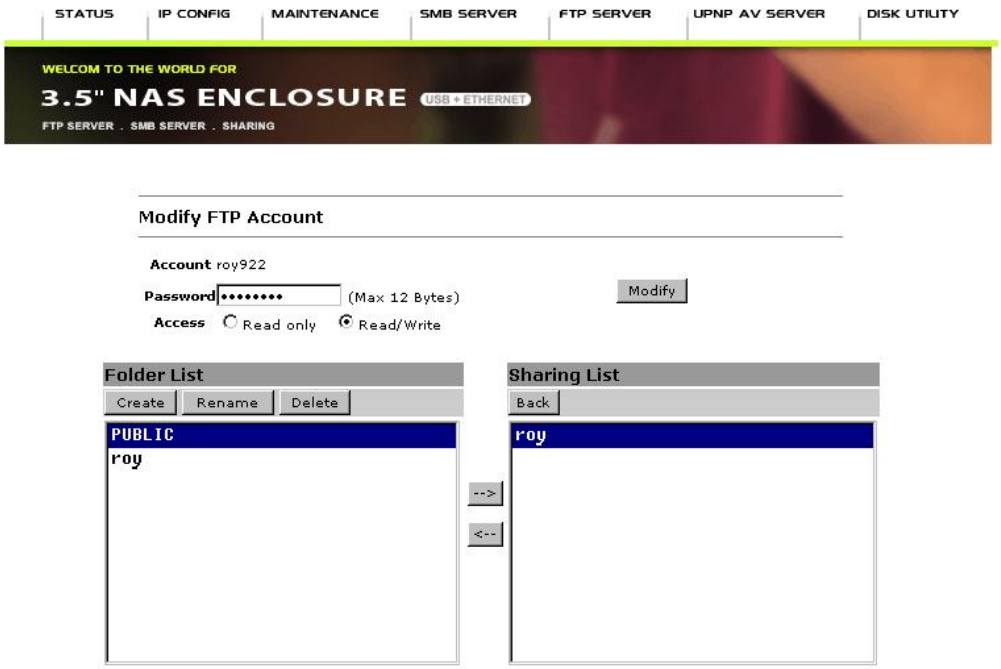


Add account folder



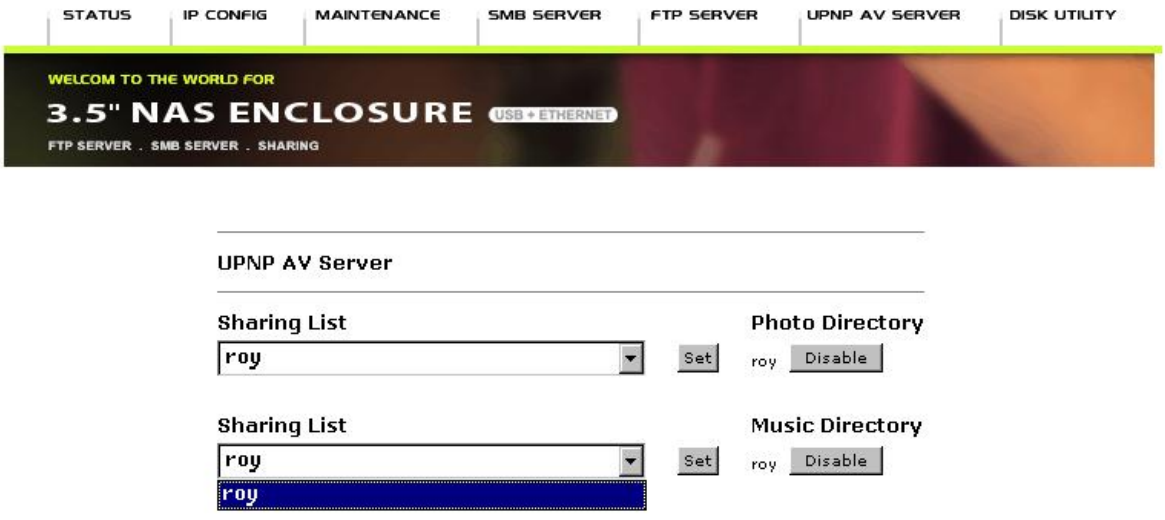
Modify FTP Account:

Sharing folder: set password and Read/Write function, after setting please click “Modify”



UPNP AV Server

SPEED NAS supports UPNP & Microsoft XBOX 360 Game Player files sharing function and only supports Photo / Music files. Set Sharing List under SMB lower level folder. After click “Set”, (Enable”Folder name”) will appear on the right. “Disable” will stop the sharing function.



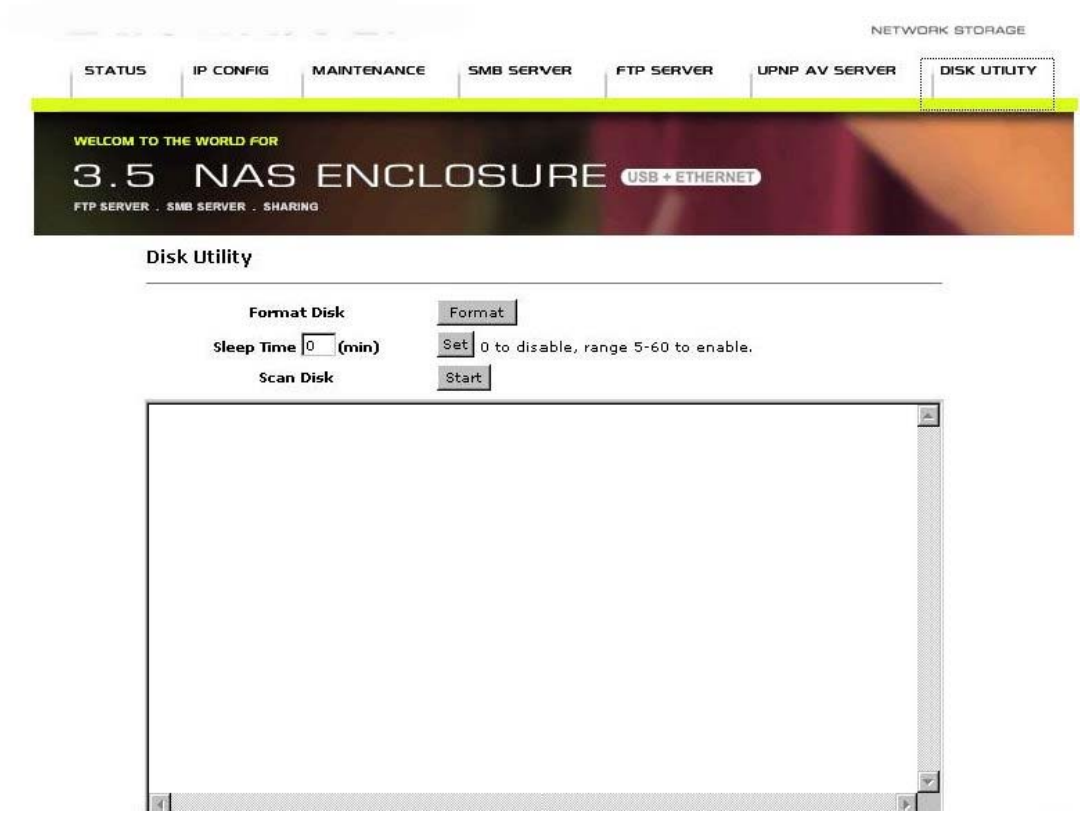
Disk Utility

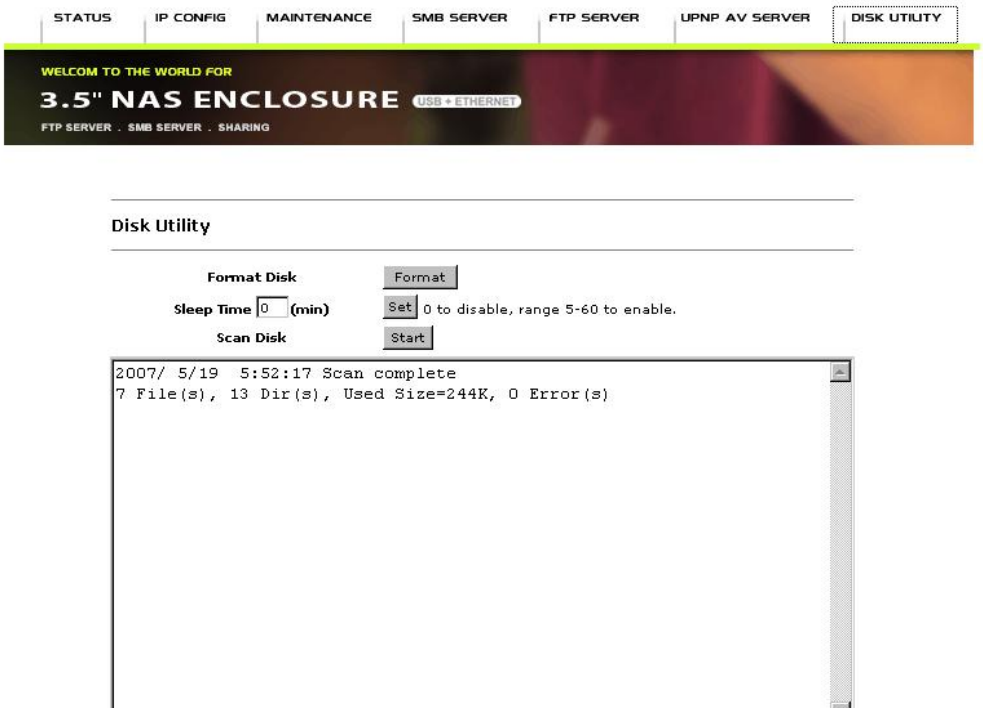
HDD format at FAT32

Sleep Time function is a power save utility when SPEED NAS is not operational. (Delay time setting is from 5~60 min.) This way can prolong the operational life of HDD.

Scan Disk provides HDD internal information.

(Note: If HDD format with PC under NTFS format, SPEED NAS will not recognize it.)



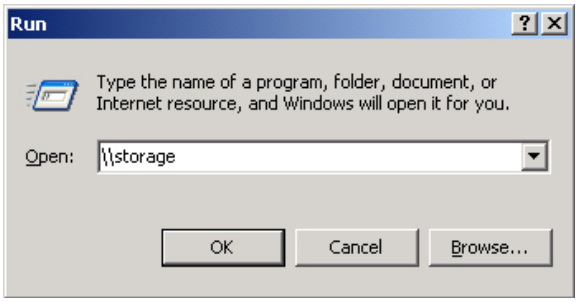


Scan Disk [Press Start]: Show hard disk information.

Access Files from the SPEED NAS – Windows

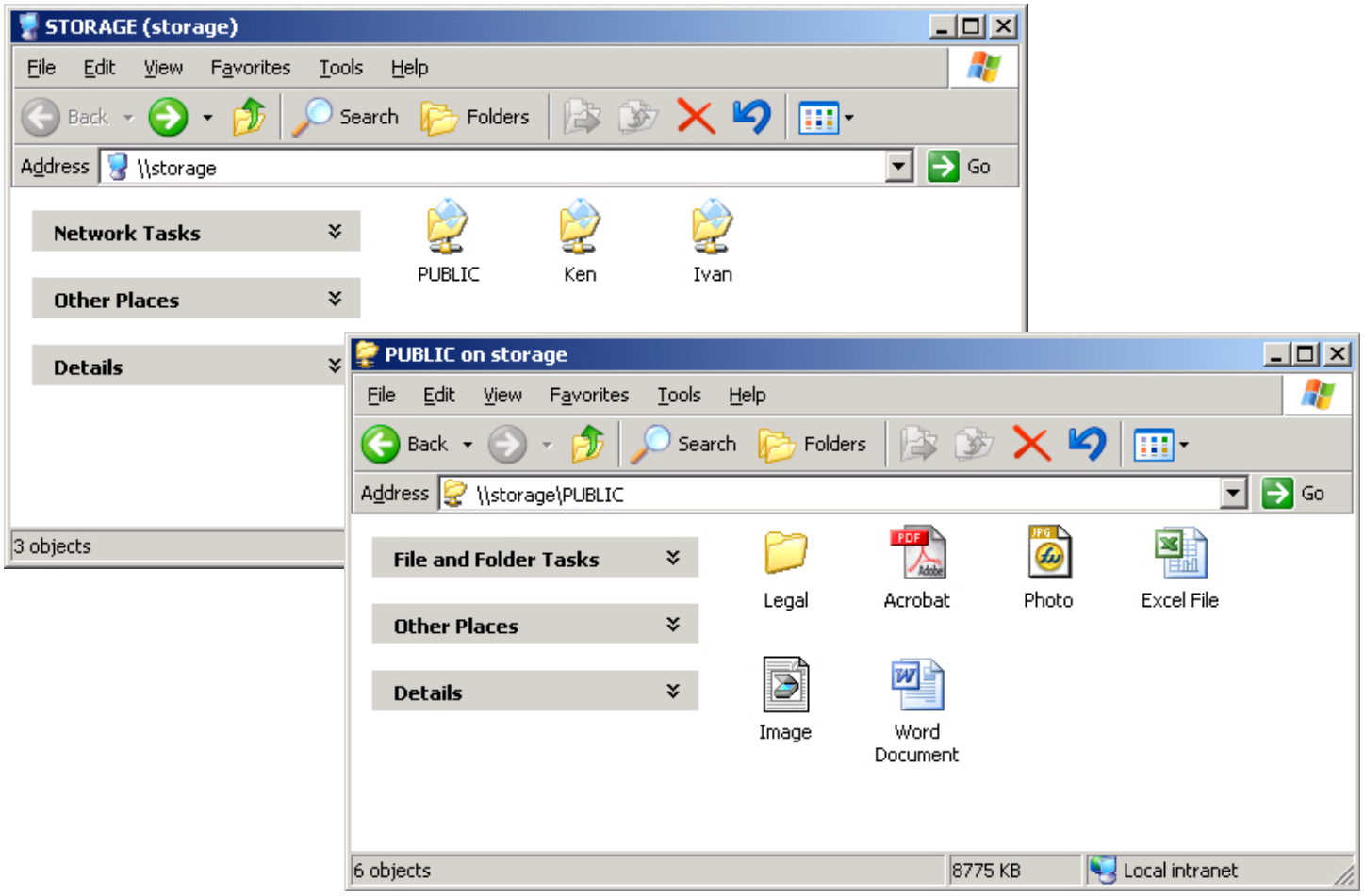
In Windows, the data can be accessed by searching for the SPEED NAS in the "Network Neighborhood" (as a computer with the name "Storage"). Or you can access the data in the SPEED NAS with the following instructions.

The follow screenshots are taken from a PC running Windows XP SP2 and may vary slightly from your computer screen.



Click on the Windows Start button, select "Run" from the menu and a dialogue box as shown will appear. Type "//storage" in the field and click "OK".

If you change the SPEED NAS's hostname, you will need to replace the word "*storage*" with it. For example, if you changed your hostname to "*FileServer*", please type "\\FileServer" instead.

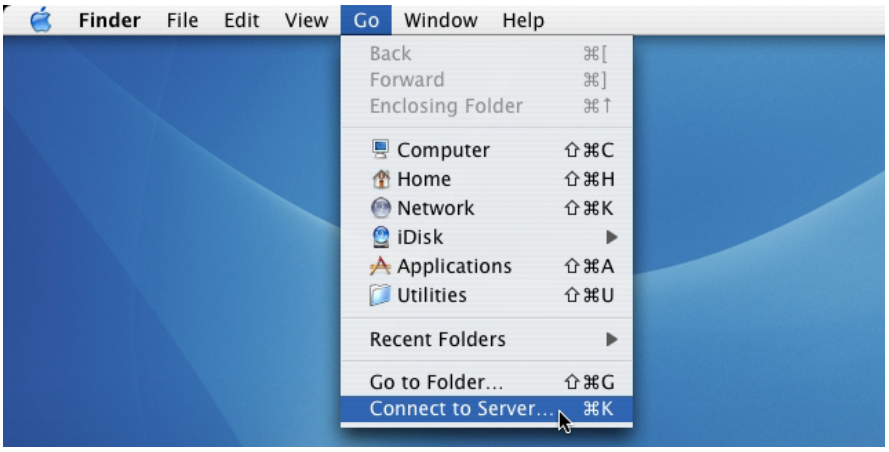


The Windows Explorer will appear and you should be able to see all the folders that were previously selected to be shared under "SMB Server" in the control panel. Clicking on the corresponding folder will reveal the files in that folder.

Access Files from the SPEED NAS – Mac OS

If the client computer is an Apple Macintosh running Mac OS, they will have to follow the procedure below to mount each shared folder as an SMB share to access the data.

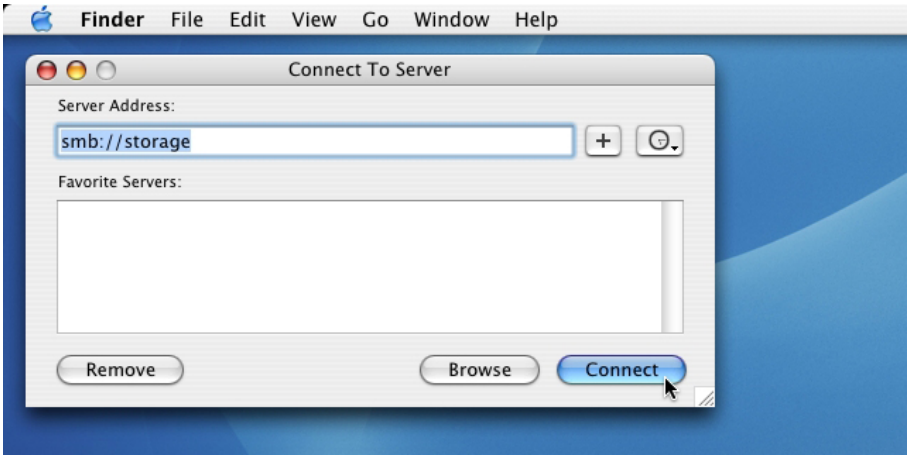
These screenshots are taken from a iMac running OS 10.3.x and may vary slightly from your computer display.



Under Finder, select Go >> Connect to Server or use the hotkey <Command +K>

The next dialogue screen will prompt you for the folder that you will like to access.

Select it and click the OK button.

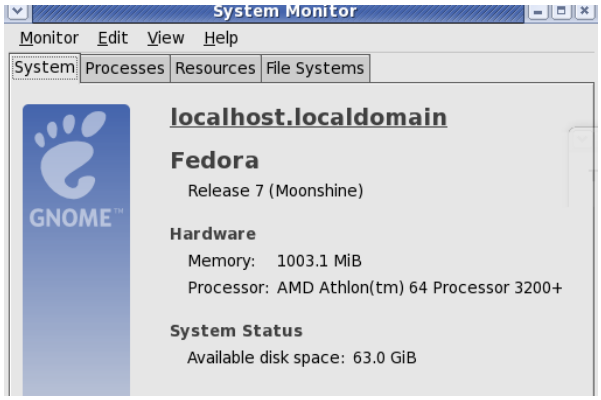


If you change the SPEED NAS's hostname, you will need to replace the word "*storage*" with it. For example, if you changed your hostname to "*FileServer*", please type "smb://FileServer" instead.

The next dialogue screen will prompt you for the folder that you will like to access. Select it and click the OK button.

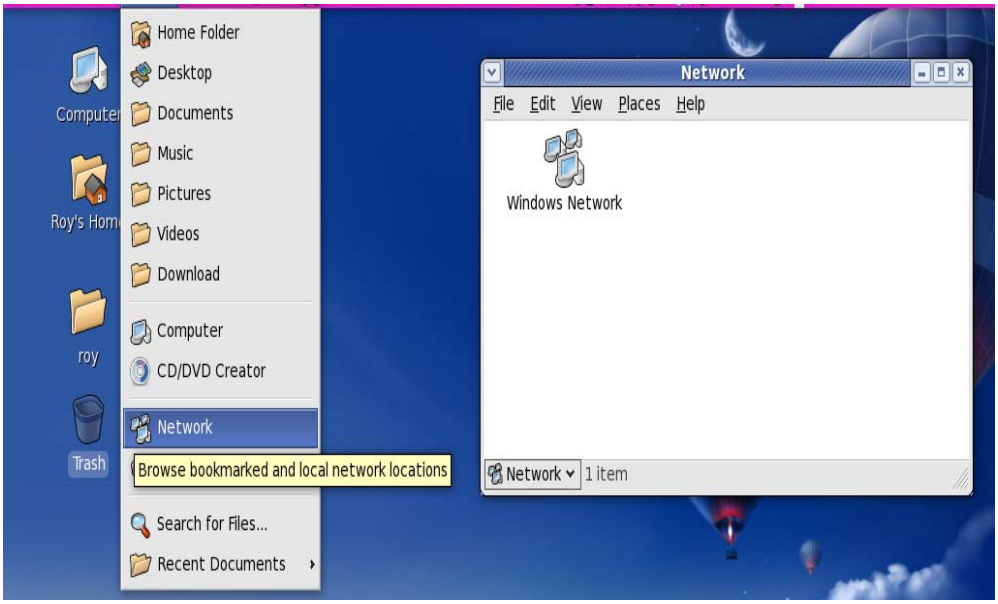
You might be prompted to enter a password, unless a password was previously assigned in the control panel, you can leave it blank. After a successful mount, a network folder icon will be created based on the folder you selected as shown.

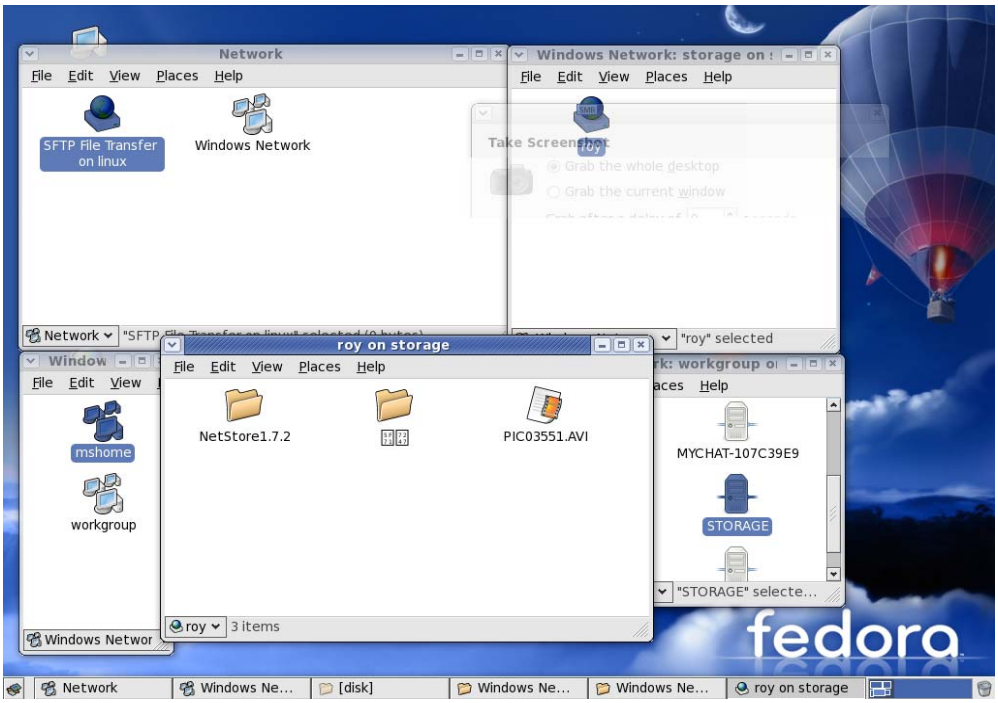
Linux Fedora 7 Kernel : 2.6.21-1.3194.fc7 x86_64



Access Files from the SPEED NAS – Linux OS

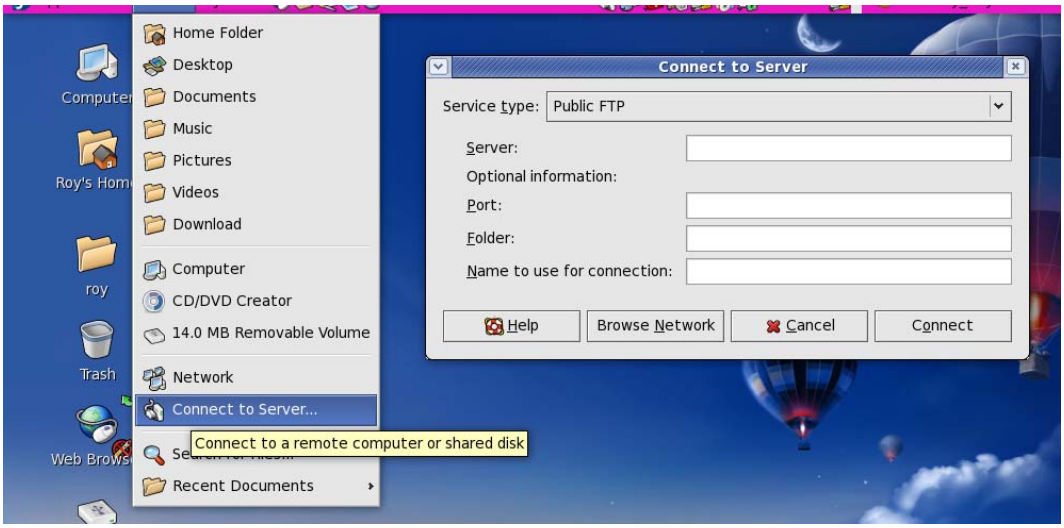
[Fedora 7] search the SPEED NAS[Share Folder]

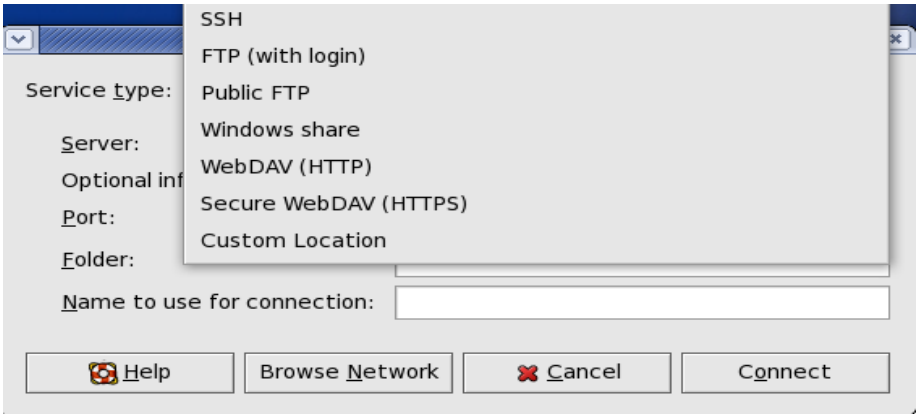




Another way, URL type “SMB : //Storage/ “

Connect to Server [Optional Share FTP]

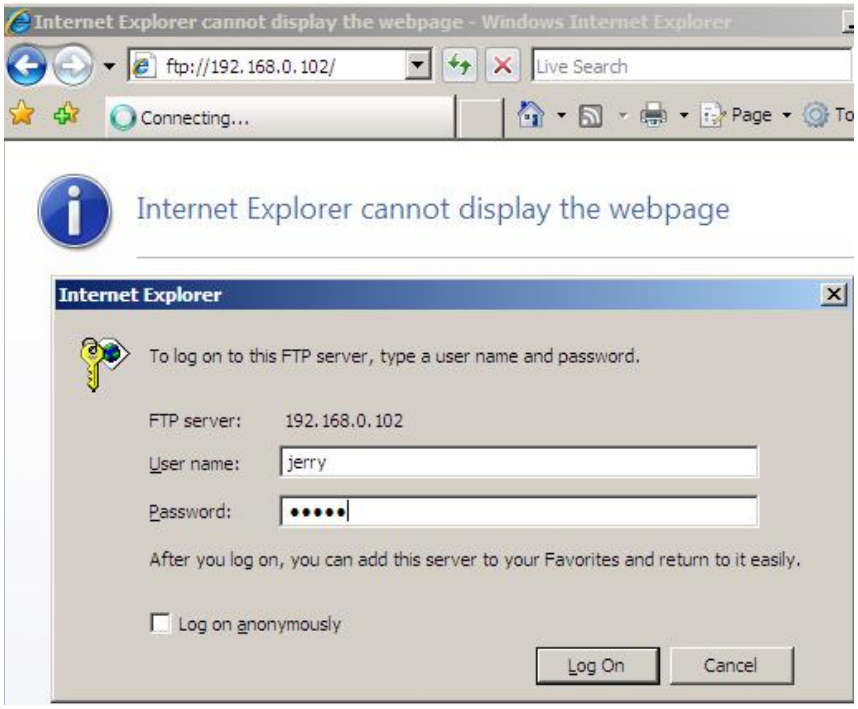


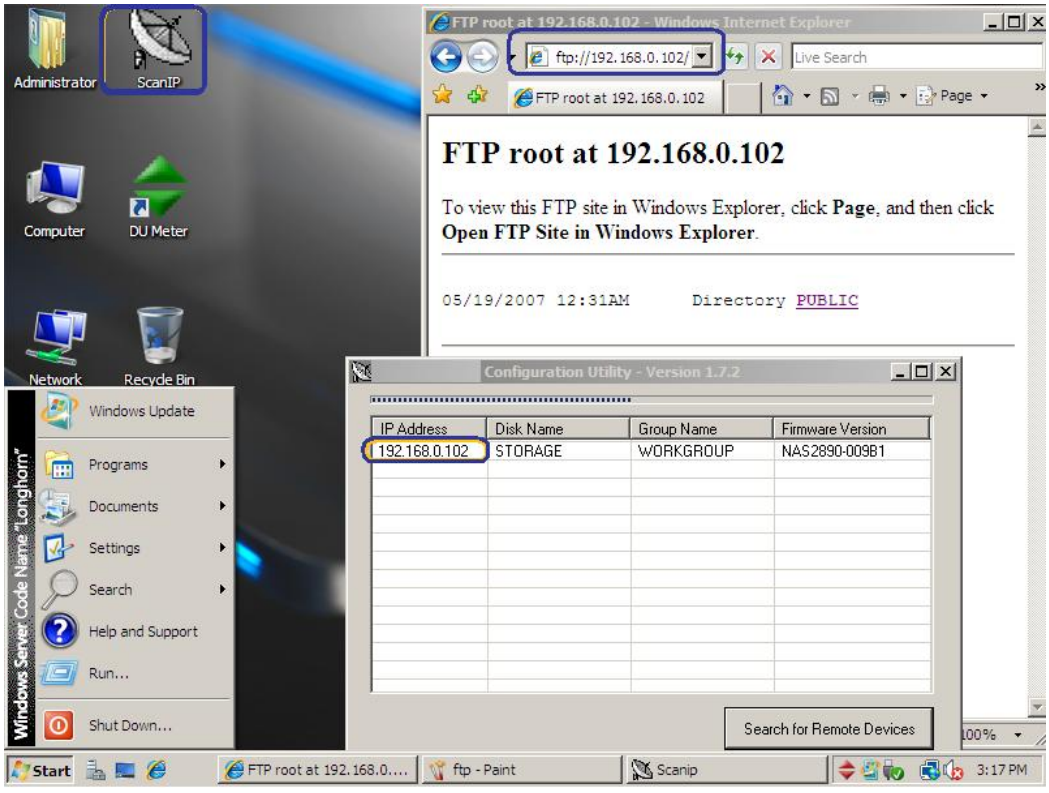


Access Files from the SPEED NAS – Windows Standard Server™[LongHorn]
Standard Server LongHorn Service Pack 1,v126 Build 6001

View basic information about your computer
Windows edition
Windows Server™ Standard
Copyright © 2006 Microsoft Corporation. All rights reserved.
Service Pack 1, v.126

URL : ftp://xxx.xxx.xxx.xxx , Log-in page


Internet Explorer cannot display the webpage - Windows Internet Explorer
ftp://192.168.0.102/
Live Search
Connecting...
Internet Explorer cannot display the webpage
Internet Explorer
To log on to this FTP server, type a user name and password.
FTP server: 192.168.0.102
User name: jerry
Password:
After you log on, you can add this server to your Favorites and return to it easily.
Log on anonymously
Log On
Cancel



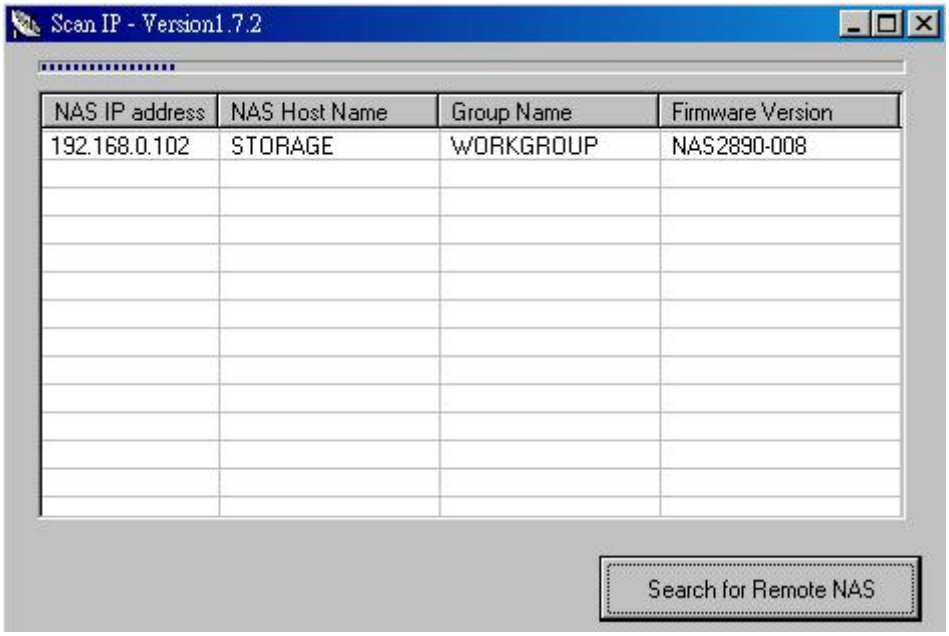
Using SPEED NAS Utility SCANIP

Step 1.

Run “ScanIP” Utility

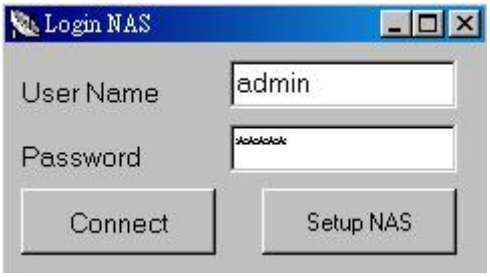
Insert CD into the CD-ROM drive and click “SCAN IP.exe”

When the utility window pops up, please click “search for Remote NAS”



Step 2

Enter your “Storage” system and click to use the utility. Input the user name and Password. The default username and password are both “admin”. If you forget the Username and password you changed, you will need to reset NAS” by pushing And holding the reset button at the back panel for 20 seconds.



Step 3 Connect the “Storage”

Click on Connect, you will be prompted for the Connect Disk screen, Enter the required information to connect the Storage to your computer.

Disk number: Choose disk label you want.

Folder: Choose the share for folder you want to connect.

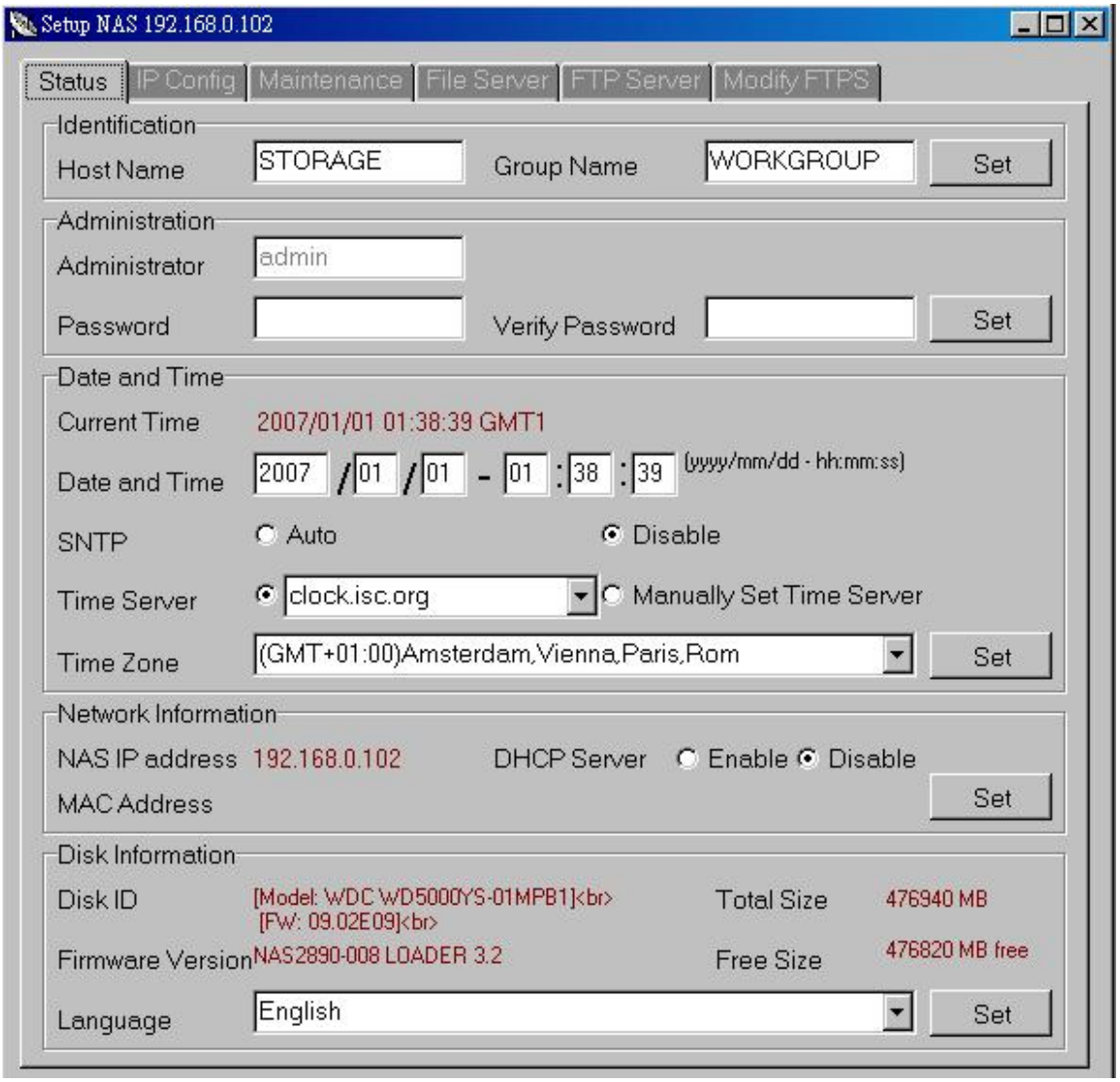
Password: You can set the password for extra security.

Step 4 Configure the SPEED NAS

Click on Management, you will see the following screen.

Status – System Information

The interface is similar to the web configuration page.



FAQ (Frequently Asked Questions)

1. **The SPEED NAS displays error messages / crashes during the file transmission?**
   Please ensure you update patches for your operating system frequently. The latest firmware for the NAS is also available to download from our website at: http://www.

2. **Does the SPEED NAS support power management?**
   Yes, when there isn't any hard drive activity within 5~60 minutes, the NAS will power down to reduce power consumption. The sleep time can be configured via the web control panel.

3. **How does the SPEED NAS achieve its data sharing capabilities?**
   Utilizing the SMB (Server Message Block) protocol, the NAS allows any computer client that supports TCP/IP, NetBuei or IPX/SPX to share files. The built-in FTP server also allows any clients with internet connectivity to access the NAS.

4. **What is the hard disk size limitation for the SPEED NAS?**
   The NAS support LBA (48-bit Logical Block Addressing) which in theory includes all hard drives up to 2 terabytes.

5. **Why does the SPEED NAS only supports FAT32 format?**
   As a cross platform file server, FAT32 format is compatible with all major operating systems (Windows/Mac OS/Linux). Under the LAN mode a FAT32 format is the single file size limitation of 127 GB.

6. **How does the SPEED NAS DHCP service work?**
   The SPEED NAS functions as a DHCP(Dynamic Host Configuration Protocol) server when it does not detect the presence of other DHCP servers in its network. DHCP is an Internet protocol for automating the configuration of computers that use TCP/IP by automatically assigning IP addresses.

7. **What are the naming limitations of the files located in the SPEED NAS?**
   The maximum length of a folder/directory/file name is 12 characters. Invalid characters such as "* \ : " < > . ? /" may not be used.

8. **What kind of hard drive is compatible with the SPEED NAS?**
   The NAS supports 3.5" SATA I /SATA II hard drives which are mostly manufactured after 2005. Below is a list of manufacturer websites you can refer to for more information on the hard drive you own.
   - Western Digital http://www.westerndigital.com
   - IBM/Hitachi http://www.hitachigst.com
   - Samsung http://www.samsung.com
   - Seagate http://www.seagate.com
   - Maxtor http://www.maxtor.com

9. How to reset default setting?

Please try to reset the drive as follows:

1. shut down the SPEED NAS
2. disconnect all cables except of power
3. press the RESET button, switch on the SPEED NAS and keep this button pressed for about 10 sec.
4. switch off the SPEED NAS

10. How to share data over internet?

NAS shares files using Point to Point method. There are many brand of Router (ex. D-link) when using remote hosting will cause unable to link up. We recommend using popular FTP program or CuteFTP for downloading.

11. Listing for EU countries language support please see:

http://www.rerecognition.com/htm/country.htm

12. GUI(Web Setting) : Only available in English.

13. Why use SPEED NAS's Disk Utility to format hard disk?

If using Windows to format with NTFS, SPEED NAS will not recognize the HDD.